

## SUBJECT INDEX TO VOLUME 98

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### A

**Acetaminophen.** See **Aspirin, acetaminophen, and other analgesics**

#### Acetylcholine and acetylcholine receptors

- dialysis delivery of an adenosine  $A_1$  receptor agonist to the pontine reticular formation decreases acetylcholine release and increases anesthesia recovery time (LI) [Tanase et al.], 912
- does xenon anesthesia inhibit cholinesterases? an *in vitro* radiometric assessment (LR) [Ishiguro et al.], 791
- pharmacokinetic-pharmacodynamic modeling of rocuronium in case of a decreased number of acetylcholine receptors: a study of myasthenic pigs (LI) [Haes et al.], 133
- potentiation of mivacurium blockade by low dose of pancuronium: a pharmacokinetic study (CI) [Motamed et al.], 1057
- spinal adrenergic and cholinergic receptor interactions activated by clonidine in postincisional pain (LI) [Dufflo et al.], 1237
- suxamethonium and donepezil: a cause of prolonged paralysis (CR) [Crowe and Collins], 574
- systemic inflammation leads to resistance to atracurium without increasing membrane expression of acetylcholine receptors (LI) [Fink et al.], 82

#### N-Acetylcysteine

- N-acetylcysteine restores isoflurane-induced preconditioning against myocardial infarction during hyperglycemia (LI) [Kehl et al.], 1384

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- comparison of point-of-care *versus* central laboratory measurement of electrolyte concentrations on calculations of the anion gap and the strong ion difference (CI) [Morimatsu et al.], 1077
- isoflurane decreases ATP sensitivity of guinea pig cardiac sarcolemmal  $K_{ATP}$  channel at reduced intracellular pH (LI) [Stadnicka and Bosnjak], 396

#### Acupuncture and acupressure

- auricular acupressure as a treatment for anxiety in prehospital transport settings (CI) [Kober et al.], 1328

#### Addiction. See **Drug detoxification and withdrawal**

#### Adenosine

- dialysis delivery of an adenosine  $A_1$  receptor agonist to the pontine reticular formation decreases acetylcholine release and increases anesthesia recovery time (LI) [Tanase et al.], 912
- intraspinal adenosine induces spinal cord norepinephrine release in spinal nerve-ligated rats but not in normal or sham controls (PRA) [Bantel et al.], 1461
- isoflurane sensitizes the cardiac sarcolemmal adenosine triphosphate-sensitive potassium channel to pinacidil (LI) [Gassmayr et al.], 114
- supraspinal antinociceptive effects of  $\mu$  and  $\delta$  agonists involve modulation of adenosine uptake (LI) [Pham et al.], 459

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- the  $\alpha_2$ -adrenoceptor agonist dexmedetomidine converges on an endogenous sleep-promoting pathway to exert its sedative effects (LI) [Nelson et al.], 428
- high spinal anesthesia for cardiac surgery: effects on  $\beta$ -adrenergic receptor function, stress response, and hemodynamics (PRA) [Lee et al.], 499
- intraspinal adenosine induces spinal cord norepinephrine release in spinal nerve-ligated rats but not in normal or sham controls (PRA) [Bantel et al.], 1461
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- cyclooxygenase-2-dependent superoxide generation contributes to age-dependent impairment of G protein-mediated cerebrovasodilation (LI) [Armstead], 1378
- postoperative nausea and vomiting in regional anesthesia: a review (RA) [Borgeat et al.], 530
- preoperative cardiac events in elderly patients with hip fracture randomized to epidural or conventional analgesia (PRA) [Matot et al.], 156

#### Airway exchange catheter

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- use of the Cook Airway Exchange Catheter® to facilitate fiberoptic intubation: are we trying to solve a problem that we created? (CO) [El-Orbany et al.], 1293

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- laryngoscopic intubation: learning and performance (CI) [Mulcaster et al.], 23
- the Parker Flex-Tip tube *versus* a standard tube for fiberoptic orotracheal intubation: a randomized double-blind study (CI) [Kristensen], 354
- practice guidelines for management of the difficult airway: an updated report by the American Society of Anesthesiologists Task Force on Management of the Difficult Airway (SA) [American Society of Anesthesiologists Task Force on Management of the Difficult Airway], 1269
- the use of WuScope fiberoptic laryngoscopy for tracheal intubation in complex clinical situations (CR) [Sprung et al.], 263

#### Albumin

- egg allergy and blood products: you say albumen, I say albumin. . . (CO) [Smith et al.], 1304

#### Alfentanil

- simultaneous assessment of drug interactions with low- and high-extraction opioids: application to parecoxib effects on the pharmacokinetics and pharmacodynamics of fentanyl and alfentanil (CI) [Ibrahim et al.], 853

#### Allergy and histamine

- egg allergy and blood products: you say albumen, I say albumin. . . (CO) [Smith et al.], 1304

#### Alzheimer disease

- suxamethonium and donepezil: a cause of prolonged paralysis (CR) [Crowe and Collins], 574

#### Ambulatory care

- antiemetic prophylaxis for office-based surgery: Are the 5-HT<sub>3</sub> receptor antagonists beneficial? (CI) [Tang et al.], 293
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- spinal anesthesia: functional balance is impaired after clinical recovery (PRA) [Imarengiaye et al.], 511

#### American Society of Anesthesiologists

- the American Society of Anesthesiologists' efforts in developing guidelines for sedation and analgesia for nonanesthesiologists: the 40th Rovenstine Lecture (SA) [Epstein], 1261
- practice guidelines for management of the difficult airway: an updated report by the American Society of Anesthesiologists Task Force on Management of the Difficult Airway (SA)

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- Thys, Hillel, and Schwartz, *Textbook of Cardiotboracic Anesthesiology* (EM) [Murphy], 592
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- propofol increases phosphorylation of troponin I and myosin light chain 2 *via* protein kinase C activation in cardiomyocytes (LI) [Kanaya et al.], 1363

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- myocardial protection with esmolol during coronary artery bypass grafting surgery (CO) [Booth and Schwinn], 1025
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- neutrophils pretreated with volatile anesthetics lose ability to cause cardiac dysfunction (LI) [Hu et al.], 712
- propofol preservation of myocardial function in patients undergoing coronary surgery using cardiopulmonary bypass is dose dependent (CO) [Ansley and Xia], 1028
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- perioperative hearing impairment (RA) [Sprung et al.], 241
- propofol preservation of myocardial function in patients undergoing coronary surgery using cardiopulmonary bypass is dose dependent (CO) [Ansley and Xia], 1028
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- xenon attenuates cardiopulmonary bypass-induced neurologic and neurocognitive dysfunction in the rat (LI) [Ma et al.], 690

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- halogenated anesthetics reduce interleukin-1  $\beta$ -induced cytokine secretion by rat alveolar type II cells in primary culture (LI) [Giraud et al.], 74
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- cyclooxygenase-2-dependent superoxide generation contributes to age-dependent impairment of G protein-mediated cerebrovasodilation (LI) [Armstead], 1578
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- F**
- Fadolmidine**
- comparison of the visceral antinociceptive effects of spinally administered MPV-2426 (fadolmidine) and clonidine in the rat (PRA) [Pertovaara and Kalmari], 189
- Fentanyl**
- fentanyl decreases  $Ca^{2+}$  currents in a population of capsaicin-responsive sensory neurons (PRA) [McDowell], 223
- intracranial pressure and cerebral hemodynamic in patients with cerebral tumors: a randomized study of patients subjected to craniotomy in propofol-fentanyl, isoflurane-fentanyl, or sevoflurane-fentanyl anesthesia (CI) [Petersen et al.], 329
- laryngeal morbidity and quality of tracheal intubation: a randomized controlled trial (CI) [Mencke et al.], 1049
- postoperative nausea and vomiting in regional anesthesia: a review (RA) [Borgeat et al.], 530
- quantitative sensory testing and human surgery: effects of analgesic management on postoperative neuroplasticity (LI) [Wilder-Smith et al.], 1214
- simultaneous assessment of drug interactions with low- and high-extraction opioids: application to parecoxib effects on the pharmacokinetics and pharmacodynamics of fentanyl and alfentanil (CI) [Ibrahim et al.], 853
- Fetal analgesia**
- fetal plasma concentrations after intraamniotic sufentanil in chronically instrumented pregnant sheep (LI) [Strümper et al.], 1400
- Fluid and electrolytes**
- comparison of point-of-care *versus* central laboratory measurement of electrolyte concentrations on calculations of the anion gap and the strong ion difference (CI) [Morimatsu et al.], 1077
- the effects of hydration on core temperature in pediatric surgical patients (CI) [Ezri et al.], 838
- isoflurane but not mechanical ventilation promotes extravascular fluid accumulation during crystalloid volume loading (LI) [Connolly et al.], 670
- vasopressin, but not fluid resuscitation, enhances survival in a liver trauma model with uncontrolled and otherwise lethal hemorrhagic shock in pigs (LI) [Stadlbauer et al.], 699
- Fluoxetine**
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- G**
- G protein-coupled receptor kinase**
- cardiopulmonary bypass decreases G-protein-coupled receptor kinase activity and expression in human peripheral blood mononuclear cells (CI) [Hagen et al.], 343
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- ers in isolated cortical nerve terminals (LI) [Westphalen and Hemmings], 364
- effects of isoflurane on  $\gamma$ -aminobutyric acid type A receptors activated by full and partial agonists (CI) [Topf et al.], 306
- GABAergic interneurons at supraspinal and spinal levels differentially modulate the antinociceptive effect of nitrous oxide in Fischer rats (LI) [Orii et al.], 1223
- hemodynamic instability and delayed emergence from general anesthesia associated with inadvertent intrathecal baclofen overdose (CR) [Lew et al.], 265
- Gabapentin**
- gabapentin: the first preemptive anti-hyperalgesic for opioid withdrawal hyperalgesia? (CO) [Gillon], 1521
- gabapentin: the first preemptive anti-hyperalgesic for opioid withdrawal hyperalgesia? (CO) [Gustorff et al.], 1520
- gabapentin blocks and reverses antinociceptive morphine tolerance in the rat paw-pressure and tail-flick tests (LR) [Gillon et al.], 1288
- gabapentin markedly reduces acetic acid-induced visceral nociception (PRA) [Feng et al.], 729
- magnesium chloride and ruthenium red attenuate the antiallodynic effect of intrathecal gabapentin in a rat model of postoperative pain (PRA) [Cheng et al.], 1472
- Gas anesthesia and anesthetics. See Inhalation anesthesia and anesthetics**
- Gastroesophageal reflux disease (GERD)**
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- Gastrointestinal function and disease**
- redistribution of microcirculatory blood flow within the intestinal wall during sepsis and general anesthesia (LI) [Hildebrand et al.], 658
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- the importance of prior stroke for the adjusted risk of neurologic injury after cardiac surgery for women and men (CI) [Hogue et al.], 823
- postoperative nausea and vomiting in regional anesthesia: a review (RA) [Borgeat et al.], 530
- Gene expression**
- cardiopulmonary bypass decreases G-protein-coupled receptor kinase activity and expression in human peripheral blood mononuclear cells (CI) [Hagen et al.], 343
- perflubron emulsion in prolonged hemorrhagic shock: influence on hepatocellular energy metabolism and oxygen-dependent gene expression (LI) [Paxian et al.], 1391
- potentiation of proopiomelanocortin gene expression in cultured pituitary cells by benzodiazepines (LI) [Fukuda et al.], 1172
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- Glucose and glucose metabolism**
- N-acetylcysteine restores isoflurane-induced preconditioning against myocardial infarction during hyperglycemia (LI) [Kehl et al.], 1384
- buprenorphine contains glucose (CO) [Katori et al.], 799
- Glutamate and glutamate receptors**
- $\alpha_2$  adrenoceptor-mediated presynaptic inhibition of primary afferent glutamatergic transmission in rat substantia gelatinosa neurons (LI) [Kawasaki et al.], 682
- activation of peripheral excitatory amino acid receptors decreases the duration of local anesthesia (PRA) [Cairns et al.], 521
- effects of isoflurane and propofol on glutamate and GABA transporters in isolated cortical nerve terminals (LI) [Westphalen and Hemmings], 364
- halothane depresses glutamatergic neurotransmission to brain stem inspiratory premotor neurons in a decerebrate dog model (LI) [Stucke et al.], 897
- with intrathecal morphine following gynecologic surgery (PRA) [Almeida et al.], 495
- impact of Bispectral Index monitoring on fast tracking of gynecologic patients undergoing laparoscopic surgery (CI) [Ahmad et al.], 849
- intrathecal morphine reduces the visceromotor response to acute uterine cervical distension in an estrogen-independent manner (PRA) [Shin and Eisenach], 1467
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- dialysis delivery of an adenosine  $A_1$  receptor agonist to the pontine reticular formation decreases acetylcholine release and increases anesthesia recovery time (LI) [Tanase et al.], 912
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- halogenated anesthetics reduce interleukin-1  $\beta$ -induced cytokine secretion by rat alveolar type II cells in primary culture (LI) [Giraud et al.], 74
- halothane depresses glutamatergic neurotransmission to brain stem inspiratory premotor neurons in a decerebrate dog model (LI) [Stucke et al.], 897
- peri-MAC depression of a nociceptive withdrawal reflex is accompanied by reduced dorsal horn activity with halothane but not isoflurane (LI) [Jinks et al.], 1128
- thermogenesis inhibition in brown adipocytes is a specific property of volatile anesthetics (LI) [Ohlson et al.], 437
- Headache, postdural puncture**
- Lhermitte sign associated with postdural puncture headache in a parturient (CR) [Obay et al.], 786
- Hearing loss**
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- anesthesia should not be blamed for all perioperative complications (CO) [Newland and Tinker], 796
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- clinical relevance of the Bezold-Jarisch reflex (RA) [Campagna and Carter], 1250
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- differential effects of propofol and sevoflurane on heart rate variability (CI) [Kanaya et al.], 34
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- hemodynamic and cardiac electrophysiologic effects of lidocaine-bupivacaine mixture in anesthetized and ventilated piglets (LI) [Lefrant et al.], 96
- isoflurane alters energy substrate metabolism to preserve mechanical function in isolated rat hearts following prolonged no-flow hypothermic storage (LI) [Finnegan et al.], 379
- isoflurane causes vasodilation in the coronary circulation (CO) [Crystal and Salem], 1030
- mechanical function of the left atrium: new insights based on analysis of pressure-volume relations and Doppler echocardiography (RA) [Pagel et al.], 975
- modifying cardiovascular risk in diabetes mellitus (CCC) [Gu et al.], 774
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- myocardial ischemic preconditioning decreases postischemic oxygen free radical production (CO) [Müllenheim and Schlack], 282

- neurally-mediated cardiotoxicity of local anesthetics: direct effect of seizures or of local anesthetics? (CO) [La Coussaye et al.], 1295
- neurally-mediated cardiotoxicity of local anesthetics: direct effect of seizures or of local anesthetics? (CO) [Ladd et al.], 1296
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- overdose, coronary artery disease, or both (CO) [Via-Reque], 1302
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- differential effects of propofol and sevoflurane on heart rate variability (CI) [Kanaya et al.], 34
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- biphasic shocks compared with monophasic damped sine wave shocks for direct ventricular defibrillation during open heart surgery (CI) [Schwarz et al.], 1063
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- vasopressin, but not fluid resuscitation, enhances survival in a liver trauma model with uncontrolled and otherwise lethal hemorrhagic shock in pigs (LI) [Stadlbauer et al.], 699
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- dual effects of hexanol and halothane on the regulation of calcium sensitivity in airway smooth muscle (LI) [Yoshimura et al.], 871
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- nerve root "irritation" or inflammation diagnosed by magnetic resonance imaging (CO) [Avidan et al.], 1294
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- Immunology and inflammation**
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- influence of erythrocyte concentrate storage time on postsurgical morbidity in cardiac surgery patients (CI) [Lcal-Noval et al.], 815
- isoflurane pretreatment inhibits lipopolysaccharide-induced inflammation in rats (LI) [Plachinta et al.], 89
- local anesthetics impair human granulocyte phagocytosis activity, oxidative burst, and CD11b expression in response to *Staphylococcus aureus* (CI) [Kiefer et al.], 842
- modulation of peripheral endogenous opioid analgesia by central afferent blockade (PRA) [Schmitt et al.], 195
- nerve root "irritation" or inflammation diagnosed by magnetic resonance imaging (CO) [Aldrete], 1294
- nerve root "irritation" or inflammation diagnosed by magnetic resonance imaging (CO) [Avidan et al.], 1294
- neutrophils pretreated with volatile anesthetics lose ability to cause cardiac dysfunction (LI) [Hu et al.], 712
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- systemic inflammation leads to resistance to atracurium without increasing membrane expression of acetylcholine receptors (LI) [Fink et al.], 82
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- indocyanine green: evidence of neurotoxicity in spinal root axons (PRA) [Dietz and Jaffe], 516
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- Infections and infectious disease**
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- local anesthetics impair human granulocyte phagocytosis activity, oxidative burst, and CD11b expression in response to *Staphylococcus aureus* (CI) [Kiefer et al.], 842
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- anesthetic preconditioning: target the right patients (CO) [Wartier et al.], 797
- differential effects of propofol and sevoflurane on heart rate variability (CI) [Kanaya et al.], 34
- effect of nitrous oxide on sevoflurane vaporizer setting (CO) [Lin], 1029
- effect of nitrous oxide on sevoflurane vaporizer setting (CO) [Wolf and Hendrickx], 1029
- the effects of isoflurane and desflurane on intracranial pressure, cerebral perfusion pressure, and cerebral arteriovenous oxygen content difference in normocapnic patients with supratentorial brain tumors (CI) [Fraga et al.], 1085
- effects of isoflurane and propofol on glutamate and GABA transporters in isolated cortical nerve terminals (LI) [Westphalen and Hemmings], 364
- effects of isoflurane on  $\gamma$ -aminobutyric acid type A receptors activated by full and partial agonists (CI) [Topf et al.], 306
- halogenated anesthetics reduce interleukin-1  $\beta$ -induced cytokine secretion by rat alveolar type II cells in primary culture (LI) [Giraud et al.], 74
- interaction of isoflurane with the dopamine transporter (LI) [Votaw et al.], 404
- intracranial pressure and cerebral hemodynamic in patients with cerebral tumors: a randomized study of patients subjected to craniotomy in propofol-fentanyl, isoflurane-fentanyl, or sevoflurane-fentanyl anesthesia (CI) [Petersen et al.], 329
- isoflurane alters energy substrate metabolism to preserve mechanical function in isolated rat hearts following prolonged no-flow hypothermic storage (LI) [Finnegan et al.], 379
- isoflurane but not mechanical ventilation promotes extravascular fluid accumulation during crystalloid volume loading (LI) [Connolly et al.], 670
- isoflurane causes vasodilation in the coronary circulation (CO) [Crystal and Salem], 1030
- isoflurane decreases ATP sensitivity of guinea pig cardiac sarcolemmal  $K_{ATP}$  channel at reduced intracellular pH (LI) [Stadnicka and Bosnjak], 396
- isoflurane pretreatment inhibits lipopolysaccharide-induced inflammation in rats (LI) [Plachinta et al.], 89
- isoflurane sensitizes the cardiac sarcolemmal adenosine triphosphate-sensitive potassium channel to pinacidil (LI) [Gassmayr et al.], 114
- mitochondrial adenosine triphosphate-regulated potassium channel opening acts as a trigger for isoflurane-induced preconditioning by generating reactive oxygen species (LI) [Tanaka et al.], 935
- morphine enhances pharmacological preconditioning by isoflurane: role of mitochondrial  $K_{ATP}$  channels and opioid receptors (LI) [Ludwig et al.], 705
- multicenter randomized comparison of the efficacy and safety of xenon and isoflurane in patients undergoing elective surgery (CI) [Rossaint et al.], 6
- neutrophils pretreated with volatile anesthetics lose ability to cause cardiac dysfunction (LI) [Hu et al.], 712
- peri-MAC depression of a nociceptive withdrawal reflex is accompanied by reduced dorsal horn activity with halothane but not isoflurane (LI) [Jinks et al.], 1128
- preconditioning by sevoflurane decreases biochemical markers for myocardial and renal dysfunction in coronary artery bypass graft surgery: a double-blinded, placebo-controlled, multicenter study (CI) [Julier et al.], 1315
- preconditioning with sevoflurane reduces changes in nicotinamide adenine dinucleotide during ischemia-reperfusion in isolated

- hearts: reversal by 5-hydroxydecanoic acid (LI) [Riess et al.], 387
- repeated or prolonged isoflurane exposure reduces mitochondrial oxidizing effects (LR) [Kohro et al.], 275
- sustained prolongation of the QTc interval after anesthesia with sevoflurane in infants during the first 6 months of life (CI) [Loeckinger et al.], 639
- temporal summation governs part of the minimum alveolar concentration of isoflurane anesthesia (LI) [Dutton et al.], 1372
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- Interleukins**
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- effects of EDTA- and sulfite-containing formulations of propofol on respiratory system resistance after tracheal intubation in smokers (CI) [Rieschke et al.], 323
- laryngoscopic intubation: learning and performance (CI) [Mulcaster et al.], 23
- the Parker Flex-Tip tube *versus* a standard tube for fiberoptic orotracheal intubation: a randomized double-blind study (CI) [Kristensen], 354
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- hepatic ischemia is associated with an increase in liver parenchyma nitric oxide that is in part enzyme-independent (LI) [Lhuillier et al.], 373
- neuroprotective effect of urinary trypsin inhibitor against focal cerebral ischemia-reperfusion injury in rats (LI) [Yano et al.], 465
- preconditioning with sevoflurane reduces changes in nicotinamide adenine dinucleotide during ischemia-reperfusion in isolated hearts: reversal by 5-hydroxydecanoic acid (LI) [Riess et al.], 387
- Isoflurane**
- N-acetylcysteine restores isoflurane-induced preconditioning against myocardial infarction during hyperglycemia (LI) [Kehl et al.], 1384
- the effects of isoflurane and desflurane on intracranial pressure, cerebral perfusion pressure, and cerebral arteriovenous oxygen content difference in normocapnic patients with supratentorial brain tumors (CI) [Fraga et al.], 1085
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- isoflurane pretreatment inhibits lipopolysaccharide-induced inflammation in rats (LI) [Plachinta et al.], 89
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- repeated or prolonged isoflurane exposure reduces mitochondrial oxidizing effects (LR) [Kohro et al.], 275
- temporal summation governs part of the minimum alveolar concentration of isoflurane anesthesia (LI) [Dutton et al.], 1372
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- ketamine differentially blocks sensory afferent synaptic transmission in medial nucleus tractus solitarius (mNTS) (LI) [Jin et al.], 121
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- indocyanine green: evidence of neurotoxicity in spinal root axons (PRA) [Dietz and Jaffe], 516
- Neurotransmission**
- halothane depresses glutamatergic neurotransmission to brain stem inspiratory premotor neurons in a decerebrate dog model (LI) [Stucke et al.], 897
- ketamine differentially blocks sensory afferent synaptic transmission in medial nucleus tractus solitarius (mNTS) (LI) [Jin et al.], 121
- suxamethonium and donepezil: a cause of prolonged paralysis (CR) [Crowe and Collins], 574
- Nitric oxide**
- role of endothelium-derived hyperpolarizing factor in phenylephrine-induced oscillatory vasomotion in rat small mesenteric artery (LI) [Okazaki et al.], 1164
- Nitric oxide and nitric oxide synthase**
- hepatic ischemia is associated with an increase in liver parenchyma nitric oxide that is in part enzyme-independent (LI) [Lhuillier et al.], 373
- ketamine and midazolam differentially inhibit nonadrenergic noncholinergic lower esophageal sphincter relaxation in rabbits: role of superoxide anion and nitric oxide synthase (LI) [Kohjani et al.], 449
- spinal nitric oxide contributes to the analgesic effect of intrathecal [D-Pen<sup>2</sup>, D-Pen<sup>5</sup>]-enkephalin in normal and diabetic rats (PRA) [Chen and Pan], 217
- transient up-regulation of spinal cyclooxygenase-2 and neuronal nitric oxide synthase following surgical inflammation (PRA) [Dolan et al.], 170
- Nitroprusside**
- despite *in vitro* increase in cyclic guanosine monophosphate concentrations, intracarotid nitroprusside fails to augment cerebral blood flow of healthy baboons (LI) [Joshi et al.], 412
- hypothermia does not alter somatosensory evoked potential amplitude and global cerebral oxygen extraction during marked sodium nitroprusside-induced arterial hypotension (CI) [Kotenberg-Assemacher et al.], 1112
- Nitrous oxide**
- combined effects of nitrous oxide and propofol on the dynamic cerebrovascular response to step changes in end-tidal Pco<sub>2</sub> in humans (CI) [Inaba et al.], 633
- effect of nitrous oxide on sevoflurane vaporizer setting (CO) [Lin], 1029
- effect of nitrous oxide on sevoflurane vaporizer setting (CO) [Wolf and Hendricks], 1029
- GABAergic interneurons at supraspinal and spinal levels differentially modulate the antinociceptive effect of nitrous oxide in Fischer rats (LI) [Orii et al.], 1223
- Nociception. See Pain physiology and pharmacology**
- Nonsteroidal anti-inflammatory drugs (NSAIDs)**
- effects of postoperative, nonsteroidal, antiinflammatory drugs on bleeding risk after tonsillectomy: meta-analysis of randomized, controlled trials (RA) [Marret et al.], 1497
- perioperative hearing impairment [Sprung et al.], 241
- Norepinephrine**
- $\alpha_2$  adrenoceptor-mediated presynaptic inhibition of primary afferent glutamatergic transmission in rat substantia gelatinosa neurons (LI) [Kawasaki et al.], 682
- deactivation of norepinephrine by peroxynitrite as a new pathogenesis in the hypotension of septic shock (LI) [Takakura et al.], 928
- intraspinal adenosine induces spinal cord norepinephrine release in spinal nerve-ligated rats but not in normal or sham controls (PRA) [Bantel et al.], 1461
- optimal adrenergic support in septic shock due to peritonitis (LI) [Sun et al.], 888
- terlipressin *versus* norepinephrine to correct refractory arterial hypotension after general anesthesia in patients chronically treated with renin-angiotensin system inhibitors (CI) [Boccaro et al.], 1338
- NovoSeven®**
- treatment of excessive bleeding in Jehovah's Witness patients after cardiac surgery with recombinant factor VIIa (NovoSeven®) (CR) [Tanaka et al.], 1513

## O

**Obesity**

- performance of target-controlled sufentanil infusion in obese patients (CI) [Slepchenko et al.], 65

**Obstetric anesthesia**

- can choice of vasopressor therapy affect rostral spread of spinal anaesthetic? (CO) [Cooper and Mowbray], 1524
- comparison of povidone iodine and DuraPrep, an iodophor-in-isopropyl alcohol solution, for skin disinfection prior to epidural catheter insertion in parturients (PRA) [Birnbach et al.], 164
- Hughes, Levinson, Rosen. *Snyder and Levinson's Anesthesia for Obstetrics, 4th edition* (EM) [Thomas], 800
- intrathecal morphine reduces the visceromotor response to acute uterine cervical distension in an estrogen-independent manner (PRA) [Shin and Eisenach], 1467
- late onset of cortical blindness in a patient with severe preeclampsia related to retained placental fragments (CR) [Delefosse et al.], 261
- Lhermitte sign associated with postdural puncture headache in a parturient (CR) [Obray et al.], 786
- local anesthetic requirements are greater in dystocia than in normal labor (LI) [Panni and Segal], 957

- a multicenter, randomized, controlled trial comparing bupivacaine with ropivacaine for labor analgesia (PRA) [Halpern et al.], 1431
- postcesarean section pain prediction by preoperative experimental pain assessment (PRA) [Granot et al.], 1422
- Olprinone**
- olprinone, a phosphodiesterase III inhibitor, reduces gut mucosal injury and portal endotoxin level during acute hypoxia in rabbits (LI) [Satoh et al.], 1407
- Oncology**
- comparative analysis of apoptosis-inducing activity of codeine and codeinone (CI) [Hitosugi et al.], 643
- opioid "holiday" following antagonist supported detoxification during general anesthesia improves opioid agonist response in a cancer patient with opioid addiction (CR) [Breitfeld et al.], 571
- saddle block using 10–20% tetracaine for patients with perineal pain due to recurrent rectal cancer (CR) [Igarashi et al.], 781
- skin burn caused by operating light during a long operation after photodynamic therapy (CR) [Itagaki et al.], 1011
- Opioids**
- comparative analysis of apoptosis-inducing activity of codeine and codeinone (CI) [Hitosugi et al.], 643
- fentanyl decreases  $Ca^{2+}$  currents in a population of capsaicin-responsive sensory neurons (PRA) [McDowell], 223
- fetal plasma concentrations after intramniotic sufentanil in chronically instrumented pregnant sheep (LI) [Strümpfer et al.], 1400
- gabapentin: the first preemptive anti-hyperalgesic for opioid withdrawal hyperalgesia? (CO) [Gillon], 1521
- gabapentin: the first preemptive anti-hyperalgesic for opioid withdrawal hyperalgesia? (CO) [Gustorff et al.], 1520
- intrathecal morphine reduces the visceromotor response to acute uterine cervical distension in an estrogen-independent manner (PRA) [Shin and Eisenach], 1467
- modulation of peripheral endogenous opioid analgesia by central afferent blockade (PRA) [Schmitt et al.], 195
- morphine enhances pharmacological preconditioning by isoflurane: role of mitochondrial  $K_{ATP}$  channels and opioid receptors (LI) [Ludwig et al.], 705
- opioid "holiday" following antagonist supported detoxification during general anesthesia improves opioid agonist response in a cancer patient with opioid addiction (CR) [Breitfeld et al.], 571
- opioids: more to learn, improvements to be made (EV) [Berde et al.], 1309
- parecoxib sodium, a parenteral cyclooxygenase 2 selective inhibitor, improves morphine analgesia and is opioid-sparing following total hip arthroplasty (LI) [Malan et al.], 950
- relationships between measurement of pain using visual analog score and morphine requirements during postoperative intravenous morphine titration (PRA) [Aubrun et al.], 1415
- respiratory depression by tramadol in the cat: involvement of opioid receptors (LI) [Teppema et al.], 420
- simultaneous assessment of drug interactions with low- and high-extraction opioids: application to parecoxib effects on the pharmacokinetics and pharmacodynamics of fentanyl and alfentanil (CI) [Ibrahim et al.], 853
- spinal nitric oxide contributes to the analgesic effect of intrathecal [D-Pen<sup>2</sup>, D-Pen<sup>3</sup>]-enkephalin in normal and diabetic rats (PRA) [Chen and Pan], 217
- supraspinal antinociceptive effects of  $\mu$  and  $\delta$  agonists involve modulation of adenosine uptake (LI) [Pham et al.], 459
- Organ transplantation**
- another matter of life and death: what every anesthesiologist should know about the ethical, legal, and policy implications of the non-heart-beating cadaver organ donor (SA) [Van Norman], 763
- donation after cardiac death: non-heart-beating organ donation deserves a green light and hospital oversight (EV) [Solomon], 601
- organ donation after cardiac death: what role for anesthesiologists? (EV) [Truog], 599
- Orthopedic surgery**
- antifibrinolytic therapy and perioperative blood loss in cancer patients undergoing major orthopedic surgery (CI) [Amar et al.], 337
- femoral-sciatic nerve blocks for complex outpatient knee surgery are associated with less postoperative pain before same-day discharge: a review of 1,200 consecutive cases from the period 1996–1999 (LI) [Williams et al.], 1206
- parecoxib sodium, a parenteral cyclooxygenase 2 selective inhibitor, improves morphine analgesia and is opioid-sparing following total hip arthroplasty (LI) [Malan et al.], 950
- Outcomes**
- convulsions and refractory ventricular fibrillation after intrathecal injection of a massive dose of tranexamic acid (CR) [Yeh et al.], 270
- the importance of prior stroke for the adjusted risk of neurologic injury after cardiac surgery for women and men (CI) [Hogue et al.], 823
- risk factors for adverse postoperative outcomes in children presenting for cardiac surgery with upper respiratory tract infections (CI) [Malviya et al.], 628
- Outpatient surgery. See Ambulatory care**
- Oxygen and oxygen transport**
- conscious volunteers developed hypoxemia and pulmonary collapse when breathing air and oxygen at reduced lung volume (CPR) [Nunn], 258
- olprinone, a phosphodiesterase III inhibitor, reduces gut mucosal injury and portal endotoxin level during acute hypoxia in rabbits (LI) [Satoh et al.], 1407
- optimal oxygen concentration during induction of general anesthesia (CI) [Edmark et al.], 28
- perflubron emulsion in prolonged hemorrhagic shock: influence on hepatocellular energy metabolism and oxygen-dependent gene expression (LI) [Paxian et al.], 1391
- thermogenesis inhibition in brown adipocytes is a specific property of volatile anesthetics (LI) [Ohlson et al.], 437

## P

## Pain (acute/incisional)

- antinociceptive effect of low-dose intrathecal neostigmine combined with intrathecal morphine following gynecologic surgery (PRA) [Almeida et al.], 495
- spinal adrenergic and cholinergic receptor interactions activated by clonidine in postincisional pain (LI) [Duflo et al.], 1237

## Pain (neuropathic)

- Hansson, Fields, Hill, and Marchettini, *Neuropathic Pain: Pathophysiology and Treatment* (EM) [Martin], 285
- intrathecal lidocaine reverses tactile allodynia caused by nerve injuries and potentiates the antiallodynic effect of the COX inhibitor ketorolac (PRA) [Ma et al.], 203
- loss of T-type calcium current in sensory neurons of rats with neuropathic pain (PRA) [McCallum et al.], 209

## Pain (sympathetic or causalgic). See Pain physiology and pharmacology

## Pain (visceral)

- comparison of the visceral antinociceptive effects of spinally administered MPV-2426 (fadolmidine) and clonidine in the rat (PRA) [Pertovaara and Kalmari], 189
- do we need another animal pain model? (EV) [Ness], 291
- gabapentin markedly reduces acetic acid-induced visceral nociception (PRA) [Feng et al.], 729
- intrathecal coadministration of D-APV and morphine is maximally effective in a rat experimental pancreatitis model (PRA) [Lu et al.], 734
- nociception in persistent pancreatitis in rats: effects of morphine and neuropeptide alterations (PRA) [Vera-Portocarrero et al.], 474

## Pain assessment and measurement

- individual differences in pain sensitivity: implications for treatment decisions (EV) [Coghill and Eisenach], 1312
- postcesarean section pain prediction by preoperative experimental pain assessment (PRA) [Granot et al.], 1422
- relationships between measurement of pain using visual analog score and morphine requirements during postoperative intravenous morphine titration (PRA) [Aubrun et al.], 1415

## Pain management

- caudal ropivacaine and neostigmine in pediatric surgery (PRA) [Turran et al.], 719

- continuous interscalene analgesia with ropivacaine 2 mg/ml after major shoulder surgery (PRA) [Ekotodramis et al.], 143
- effects of preemptive analgesia on pain and cytokine production in the postoperative period (PRA) [Beilin et al.], 151
- Harden, Baron, Jänig. *Complex Regional Pain Syndrome* (EM) [Grabow and Raja], 800
- individual differences in pain sensitivity: implications for treatment decisions (EV) [Coghill and Eisenach], 1312
- modulation of peripheral endogenous opioid analgesia by central afferent blockade (PRA) [Schmitt et al.], 195
- need for additional control in studies of epidural outcome (CO) [Johnson], 1522
- opioid "holiday" following antagonist supported detoxification during general anesthesia improves opioid agonist response in a cancer patient with opioid addiction (CR) [Breitfeld et al.], 571
- opioids: more to learn, improvements to be made (EV) [Berde et al.], 1309
- parecoxib sodium, a parenteral cyclooxygenase 2 selective inhibitor, improves morphine analgesia and is opioid-sparing following total hip arthroplasty (LI) [Malan et al.], 950
- postcesarean section pain prediction by preoperative experimental pain assessment (PRA) [Granot et al.], 1422
- postoperative nausea and vomiting in regional anesthesia: a review (RA) [Borgeat et al.], 530
- preemptive analgesia: what do we do now? (CO) [Gotschalk and Ochroch], 280
- preemptive analgesia: what do we do now? (CO) [Mölniche et al.], 281
- quantitative sensory testing and human surgery: effects of analgesic management on postoperative neuroplasticity (LI) [Wilder-Smith et al.], 1214
- relationships between measurement of pain using visual analog score and morphine requirements during postoperative intravenous morphine titration (PRA) [Aubrun et al.], 1415
- saddle block using 10–20% tetracaine for patients with perineal pain due to recurrent rectal cancer (CR) [Igarashi et al.], 781
- Warfield and Faussett. *Manual of Pain Management, 2nd edition* (EM) [Wong], 592

#### Pain mechanisms (central)

- $\alpha_2$  adrenoceptor-mediated presynaptic inhibition of primary afferent glutamatergic transmission in rat substantia gelatinosa neurons (LI) [Kawasaki et al.], 682
- GABAergic interneurons at supraspinal and spinal levels differentially modulate the antinociceptive effect of nitrous oxide in Fischer rats (LI) [Orii et al.], 1223
- modulation of peripheral endogenous opioid analgesia by central afferent blockade (PRA) [Schmitt et al.], 195
- postoperative morphine use and hyperalgesia are reduced by preoperative but not intraoperative epidural analgesia: implications for preemptive analgesia and the prevention of central sensitization (PRA) [Katz et al.], 1449
- the role of 5-HT<sub>1A/B</sub> autoreceptors in the antinociceptive effect of systemic administration of acetaminophen (PRA) [Roca-Vinardell et al.], 741
- supraspinal contribution to development of both tonic nociception and referred mirror hyperalgesia: a comparative study between formalin test and bee venom test in the rat (LI) [Chen et al.], 1231
- transient up-regulation of spinal cyclooxygenase-2 and neuronal nitric oxide synthase following surgical inflammation (PRA) [Dolan et al.], 170

#### Pain mechanisms (spinal)

- clonidine-induced neuronal activation in the spinal cord is altered after peripheral nerve injury (PRA) [Pancaro et al.], 748
- GABAergic interneurons at supraspinal and spinal levels differentially modulate the antinociceptive effect of nitrous oxide in Fischer rats (LI) [Orii et al.], 1223
- gabapentin markedly reduces acetic acid-induced visceral nociception (PRA) [Feng et al.], 729
- intrathecal lidocaine reverses tactile allodynia caused by nerve injuries and potentiates the antiallodynic effect of the COX inhibitor ketorolac (PRA) [Ma et al.], 203
- intrathecal morphine reduces the visceromotor response to acute

- uterine cervical distension in an estrogen-independent manner (PRA) [Shin and Eisenach], 1467
- magnesium chloride and ruthenium red attenuate the antiallodynic effect of intrathecal gabapentin in a rat model of postoperative pain (PRA) [Cheng et al.], 1472
- peri-MAC depression of a nociceptive withdrawal reflex is accompanied by reduced dorsal horn activity with halothane but not isoflurane (LI) [Jinks et al.], 1128
- spinal adrenergic and cholinergic receptor interactions activated by clonidine in postincisional pain (LI) [Duffo et al.], 1237
- spinal carbonic anhydrase contributes to nociceptive reflex enhancement by midazolam, pentobarbital, and propofol (LI) [Wang et al.], 921
- spinal nitric oxide contributes to the analgesic effect of intrathecal [D-Pen<sup>2</sup>, D-Pen<sup>5</sup>]-enkephalin in normal and diabetic rats (PRA) [Chen and Pan], 217

#### Pain physiology and pharmacology

- antihyperalgesic and side effects of intrathecal clonidine and tizanidine in a rat model of neuropathic pain (PRA) [Kawamata et al.], 1480
- antinociceptive effect of low-dose intrathecal neostigmine combined with intrathecal morphine following gynecologic surgery (PRA) [Almeida et al.], 495
- comparison of the visceral antinociceptive effects of spinally administered MPV-2426 (fadolmidine) and clonidine in the rat (PRA) [Pertovaara and Kalmari], 189
- fentanyl decreases Ca<sup>2+</sup> currents in a population of capsaicin-responsive sensory neurons (PRA) [McDowell], 223
- GABAergic interneurons at supraspinal and spinal levels differentially modulate the antinociceptive effect of nitrous oxide in Fischer rats (LI) [Orii et al.], 1223
- gabapentin blocks and reverses antinociceptive morphine tolerance in the rat paw-pressure and tail-flick tests (LR) [Gilron et al.], 1288
- gabapentin markedly reduces acetic acid-induced visceral nociception (PRA) [Feng et al.], 729
- Harden, Baron, Jänig. *Complex Regional Pain Syndrome* (EM) [Grabow and Raja], 800
- intrathecal coadministration of D-APV and morphine is maximally effective in a rat experimental pancreatitis model (PRA) [Lu et al.], 734
- intrathecal lidocaine reverses tactile allodynia caused by nerve injuries and potentiates the antiallodynic effect of the COX inhibitor ketorolac (PRA) [Ma et al.], 203
- loss of T-type calcium current in sensory neurons of rats with neuropathic pain (PRA) [McCallum et al.], 209
- magnesium chloride and ruthenium red attenuate the antiallodynic effect of intrathecal gabapentin in a rat model of postoperative pain (PRA) [Cheng et al.], 1472
- nociception in persistent pancreatitis in rats: effects of morphine and neuropeptide alterations (PRA) [Vera-Portocarrero et al.], 474
- postoperative morphine use and hyperalgesia are reduced by preoperative but not intraoperative epidural analgesia: implications for preemptive analgesia and the prevention of central sensitization (PRA) [Katz et al.], 1449
- prospective study on incidence and functional impact of transient neurologic symptoms associated with 1% versus 5% hyperbaric lidocaine in short urologic procedures (PRA) [Tong et al.], 485
- quantitative sensory testing and human surgery: effects of analgesic management on postoperative neuroplasticity (LI) [Wilder-Smith et al.], 1214
- spinal carbonic anhydrase contributes to nociceptive reflex enhancement by midazolam, pentobarbital, and propofol (LI) [Wang et al.], 921
- spinal nitric oxide contributes to the analgesic effect of intrathecal [D-Pen<sup>2</sup>, D-Pen<sup>5</sup>]-enkephalin in normal and diabetic rats (PRA) [Chen and Pan], 217
- supraspinal antinociceptive effects of  $\mu$  and  $\delta$  agonists involve modulation of adenosine uptake (LI) [Pham et al.], 459
- supraspinal contribution to development of both tonic nociception and referred mirror hyperalgesia: a comparative study between formalin test and bee venom test in the rat (LI) [Chen et al.], 1231

**Pain treatment (postoperative).** See **Pain management; Postoperative care****Pancreatitis**

intrathecal coadministration of D-APV and morphine is maximally effective in a rat experimental pancreatitis model (PRA) [Lu et al.], 734

nociception in persistent pancreatitis in rats: effects of morphine and neuropeptide alterations (PRA) [Vera-Portocarrero et al.], 474

**Pancuronium**

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does pancuronium cause prolonged postoperative intubation in cardiac patients? (CO) [Murphy et al.], 279

potentiation of mivacurium blockade by low dose of pancuronium: a pharmacokinetic study (CI) [Motamed et al.], 1057

**Parecoxib sodium**

parecoxib sodium, a parenteral cyclooxygenase 2 selective inhibitor, improves morphine analgesia and is opioid-sparing following total hip arthroplasty (LI) [Malan et al.], 950

simultaneous assessment of drug interactions with low- and high-extraction opioids: application to parecoxib effects on the pharmacokinetics and pharmacodynamics of fentanyl and alfentanil (CI) [Ibrahim et al.], 853

**Paresthesia**

motor response following paresthesia during interscalene block: methodological problems may lead to inappropriate conclusions (CO) [Choquet et al.], 587

paresthesia but no motor response: what's going on? (CO) [Casati et al.], 586

what happened to the paresthesia? (CO) [Carter and Sandberg], 588

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**Parker Flex-Tip tube**

the Parker Flex-Tip tube *versus* a standard tube for fiberoptic orotracheal intubation: a randomized double-blind study (CI) [Kristensen], 354

**Parturition.** See **Obstetric anesthesia****Patient and physician safety**

airway fire during tracheostomy: should we extubate? (CO) [Ng and Hartigan], 1303

a combustible destruction of expiration valve in an anesthetic circuit (CR) [Kanno et al.], 577

droperidol: many questions, few answers (EV) [Scuderi], 289

multicenter randomized comparison of the efficacy and safety of xenon and isoflurane in patients undergoing elective surgery (CI) [Rossaint et al.], 6

skin burn caused by operating light during a long operation after photodynamic therapy (CR) [Itagaki et al.], 1011

skin injury with the use of a water warming device (CR) [Gali et al.], 1509

will xenon be a stranger or a friend? the cost, benefit and future of xenon anesthesia (EV) [Goto et al.], 1

**Patient-controlled analgesia (PCA, PCEA)**

combinations of morphine with ketamine for patient-controlled analgesia: a new optimization method (LI) [Sveticic et al.], 1195

**Pediatric anesthesia**

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developmental changes of laryngeal dimensions in unparalyzed, sedated children (CI) [Litman et al.], 41

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do they understand? (part I) parental consent for children participating in clinical anesthesia and surgery research (CI) [Tait et al.], 603

the effects of hydration on core temperature in pediatric surgical patients (CI) [Ezri et al.], 838

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inadvertent spinal anesthesia during continuous epidural anesthesia in an infant (CR) [Taenzer], 1014

parental presence during induction of anesthesia: physiological effects on parents (CI) [Kain et al.], 58

perinatal brain injury: the role of development in vulnerability (EV) [Giffard and Fiskum], 1039

risk factors for adverse postoperative outcomes in children presenting for cardiac surgery with upper respiratory tract infections (CI) [Malviya et al.], 628

sustained prolongation of the QTc interval after anesthesia with sevoflurane in infants during the first 6 months of life (CI) [Loeckinger et al.], 639

**Pentobarbital**

spinal carbonic anhydrase contributes to nociceptive reflex enhancement by midazolam, pentobarbital, and propofol (LI) [Wang et al.], 921

**Perflubron emulsion**

perflubron emulsion in prolonged hemorrhagic shock: influence on hepatocellular energy metabolism and oxygen-dependent gene expression (LI) [Paxian et al.], 1391

**Peroxyinitrite**

deactivation of norepinephrine by peroxyinitrite as a new pathogenesis in the hypotension of septic shock (LI) [Takakura et al.], 928

**Personnel issues.** See **Economics, management, and manpower****Pharmacodynamics.** See **Pharmacokinetics and pharmacodynamics****Pharmacokinetics and pharmacodynamics**

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opioid "holiday" following antagonist supported detoxification during general anesthesia improves opioid agonist response in a cancer patient with opioid addiction (CR) [Breitfeld et al.], 571

performance of target-controlled sufentanil infusion in obese patients (CI) [Slepchenko et al.], 65

pharmacokinetic-pharmacodynamic modeling of rocuronium in case of a decreased number of acetylcholine receptors: a study of myasthenic pigs (LI) [Haes et al.], 133

potentiation of mivacurium blockade by low dose of pancuronium: a pharmacokinetic study (CI) [Motamed et al.], 1057

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propofol preservation of myocardial function in patients undergoing coronary surgery using cardiopulmonary bypass is dose dependent (CO) [De Hert], 1028

residual paralysis in the PACU after a single intubating dose of nondepolarizing muscle relaxant with an intermediate duration of action (CI) [Debaene et al.], 1042

simultaneous assessment of drug interactions with low- and high-extraction opioids: application to parecoxib effects on the pharmacokinetics and pharmacodynamics of fentanyl and alfentanil (CI) [Ibrahim et al.], 853

systemic inflammation leads to resistance to atracurium without increasing membrane expression of acetylcholine receptors (LI) [Fink et al.], 82

transient cross-resistance to neuromuscular blocking agents in a patient with tetanus (CR) [Chiu et al.], 579

**Pharmacology**

Park, Shelly. *Pharmacology of the Critically ill*. (EM) [Murray], 1035

**Phenylephrine**

role of endothelium-derived hyperpolarizing factor in phenylephrine-induced oscillatory vasomotion in rat small mesenteric artery (LI) [Okazaki et al.], 1164

**Phonomyography**

phonomyography as a novel method to determine neuromuscular blockade at the laryngeal adductor muscles: comparison with the cuff pressure method (CI) [Hemmerling et al.], 359

**Photodynamic therapy**

skin burn caused by operating light during a long operation after photodynamic therapy (CR) [Itagaki et al.], 1011

**Pinacidil**

isoflurane sensitizes the cardiac sarcolemmal adenosine triphos-

- phate-sensitive potassium channel to pinacidil (LI) [Gassmayr et al.], 114
- Piriformis syndrome**  
 piriformis syndrome: anatomic consideration, a new injection technique, and a review of the literature (PRA) [Benzon et al.], 1442
- Platelets and platelet function.** See **Blood coagulation**
- Pneumothorax**  
 open chest tension pneumothorax during lung volume reduction surgery via sternotomy (CR) [Schlossberg et al.], 272
- Policy and procedures**  
 the American Society of Anesthesiologists' efforts in developing guidelines for sedation and analgesia for nonanesthesiologists: the 40th Rovenstine Lecture (SA) [Epstein], 1261  
 another matter of life and death: what every anesthesiologist should know about the ethical, legal, and policy implications of the non-heart-beating cadaver organ donor (SA) [Van Norman], 763  
 donation after cardiac death: non-heart-beating organ donation deserves a green light and hospital oversight (EV) [Solomon], 601  
 failure of paging shortcuts to facilitate stat paging in medical emergencies (CO) [Woehlick], 1303  
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- Positioning**  
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- Positive end-expiratory pressure.** See **Mechanical ventilation**
- Positron emission tomography (PET)**  
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- Postoperative care**  
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 effects of preemptive analgesia on pain and cytokine production in the postoperative period (PRA) [Beilin et al.], 151  
 O'Donnell, Nacul. *Surgical Intensive Care Medicine* (EM) [Rouby], 1306  
 parecoxib sodium, a parenteral cyclooxygenase 2 selective inhibitor, improves morphine analgesia and is opioid-sparing following total hip arthroplasty (LI) [Malan et al.], 950  
 postoperative nausea and vomiting in regional anesthesia: a review (RA) [Borgeat et al.], 530  
 variability in surgical caseload and access to intensive care services (EC) [McManus et al.], 1491
- Potassium and potassium channels**  
 inhibitory effects of etomidate and ketamine on adenosine triphosphate-sensitive potassium channel relaxation in canine pulmonary artery (LI) [Sohn and Murray], 104  
 isoflurane decreases ATP sensitivity of guinea pig cardiac sarcolemmal  $K_{ATP}$  channel at reduced intracellular pH (LI) [Stadnicka and Bosnjak], 396  
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